M. A. R. 57 (Rule 116)
Measurement Book

No. B 197271

Serial No. 1st and final Bill

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency ..... M/s. Soorya Creations, Prop. P. Hemanth, Bangalore.94

Date of commencement of work ..... D.O. Recording : 30.04.2021

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of work :- Development of Road and drains in Ward no.06						
	Estimated cost :- Rs. 4.00 Lakhs.						
	Work order no = BBMP/BE/BTP/WO/185/2020-21						Dated. 03.02.2021
	JOB. NO = 006.20-000194. Indent no. 45958						
(1)	Earthwork excavation by manual means in ordinary soil, involving an average horizontal throw upto 3m and average lift upto 0.30m, Excavated surface levelled and hydrogenty						

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	dressed, the disposal of earth to be levelled neatly after breakup of slabs complete as per specifications.						
						Qty. as per Estimate pro-measurement sheet (2) p.no 497286 of this MB. = 114.47 m³ @ ₹99.21/m³	11357.00
2)	Constructing Rolled cement Concrete M20 of 1:1½:3 OPC cement @ 180 kgs, using 20 mm nominal size graded granite metal coarse aggregate at 0.85 m³ and fine aggregate @ 0.57 m³, base course with coarse and fine aggregate confirming to grading I, aggregate cement Ratio 1.21 and minimum cement content of 180 kg/m³, aggregate gradations to be as						

M. A. R. 57 (Rule 116)
Measurement Book

No. B 497272

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Per Table 600-4, after blending, mixing in batching plant at optimum moisture content, transporting to site, laying with a paver with electronic sensor, compacting, with 8 to 10 tons dynamic vibratory Roller to achieve the designed flexural strength, finishing and curing complete as per specifications.						
		Qty. as per MB of this page		No. (2)		p.no 497286 61.20 m³ @ ₹2596.10/m³	158900.00
3)	providing and constructing granite						

Scanned by CamScanner

MEASUREMENT BOOK

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
2	Number 3	Length 4	Breadth 5	Depth 6	7	8
masonry in basement with cm 1:6, Edges of stones chisel dressed in course not less than 15cms high, bond stones at 2m apart in each course including costs of materials, labours, hiring of machinery, curing complete as per specifications and directions of Engineer-in-charge of works.						
for-U.	2×1	5.20	0.60	0.60	5.62	
	2×1	5.50	0.60	0.60	6.36 m³	26438.00
		Total	11.77 m³	@	3600/m³ Rs	
		Ltd to	4.34			
Providing and laying in position plain cement concrete of mix 1:3:6 with ope. cement @ 220 kg/m³, with 20mm and down size graded granite metal Coarse aggregate @ 0.844 m³ any fine aggregate @ 0.56 m³, machine mixed concrete laid in						

M. A. R. 57 (Rule 116)
Measurement Book

No. B 497273

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	layers not exceeding 10cms, thickness when compacted as foundations and plinths including cost of all materials, labours, hiring of machinery curing complete as per specifications.						
	Ex-Capacity.	2×1	5.20	0.60	0.10	0.62	
	work	2×1	5.50	0.60	0.10	0.66	
				Total		1.28 m³	4406.00
				Ltd to		3600/m³	
5)	Providing flush pointing to courses of stone masonry with cement mortar 1:3, 20mm deep, after raking of joints to depth of 20mm						

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	nicely lining, including costing material, labour, Curing complete as per specifications.						
	CP	2 A 1	5.20	–	0.10	= 6.24	
		2 A 1	5.70	–	0.80	12.244 / 13.08	6.84
				Total		12.244 @	160.56/m² 1965.00
(6)	Providing precast slab of 25 mm thick including costing all material labour, curing, transportation, loading, unloading etc complete as per direction of Engineer in-charge of work.						
	fix-up	1	5.20	1.20	=	6.24	
	Supply	1	5.70	1.20	–	6.84 m² / 13.084	44064.00
				Total		12.244 m² @ 3600	
7)	Providing and laying, spreading and Compacting graded stone						

M. A. R. 57 (Rule 116)
Measurement Book

No. B 497271

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	aggregate to wet mix including specifications including premixing the material, with water at optimum in mechanical mixing plants carriage of mixed material by tipper to site, laying in uniform layer & with paver in sub-base course on well prepared surface and compacting with vibratory Roller to achieve the desired density complete as per specifications.						
			qty vide pvt. item no. ③				
			p.no 499297 dtd 17.10.22			17.40 m³ @ 1440.92/m³	25072.00

Scanned by CamScanner

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
1	2	Number 3	Length 4	Breadth 5	Depth 6	7	8
8)	Providing and laying in cement concrete using 20mm and down size granite gelly of Ready mixed concrete (RMC) for RCC Works laid in 15 cms thick layers, well compacted, vibrating, curing, finishing with necessary cuts, form works and Scaffolding to with stand pumping of concrete, with all lead and lifts etc complete.						
	C.C. Road (Outside Structure)	1	15.00	$\frac{8.20+6.80}{2}$	0.10	$11.25\,m^3$	
		1	15.00	$\frac{6.80+6.20}{2}$	0.10	$= 9.75$	
		1	15.00	$\frac{6.20+6.20}{2}$	0.13	$= 12.18$	
		1	13.00	$\frac{6.375+6.80}{2}$	0.10	$= 7.87$	
						$41.05\,m^3$	149518.00

M. A. R. 57 (Rule 116)
Measurement Book

No. B 497275

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
1	2	Number 3	Length 4	Breadth 5	Depth 6	7	8
9)	Vacuum dewatering with vacuum pump and ducting mat on of compaction with steel float clubbed with floating disc, including costing generator, hiring of machinery, screed vibratory power floating blade, disc etc with allied and lift etc complete						
		1	15.00	$\frac{8.20+6.80}{2}$		$= 112.5\,m^2$	
		1	15.00	$\frac{6.80+6.20}{2}$		$= 97.50$	
		1	15.00	$\frac{6.20+6.20}{2}$		$= 93.75$	
		1	13.00	$\frac{6.375+6.80}{2}$		$= 78.65$	19843.00
						$382.40\,m^2$	

$= 51.87\,m^2$

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
10/	Providing groove cutting for concrete pavement width of 5 mm to 10 mm and depth 5 mm-10 mm including cost of cutting machine, generator, hours of machine, including cutting blade, coolant, etc, including cleaning of groove and providing sand and hot bitumen fillers, and filler materials including cost of conveyance of all materials, labour, lead and hoist charges and all other incidental charges as per drawing and as per specification.						
	groove cutting	1	30.00	.	.	30.00	
		1	28.00	-	-	28.00	
		10	65.00	-	-	65.00	
						123.00 mt	12673.00

M. A. R. 57 (Rule 116)
Measurement Book

No. B 497273

Serial No. ..... From..... To.....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
11)	Loading, unloading of stone boulders by manual means Complete as per specifications & worth charges. Lump.						
						Qty as per SI no (1) = 114.47 m³ @ 43.57/m³ Rs	4978.00
						Sub Total Rs	4,79,215.00
					Add GST @ 12%.		57,506.00
						Grand Total Rs	5,36,721.00

CGFC

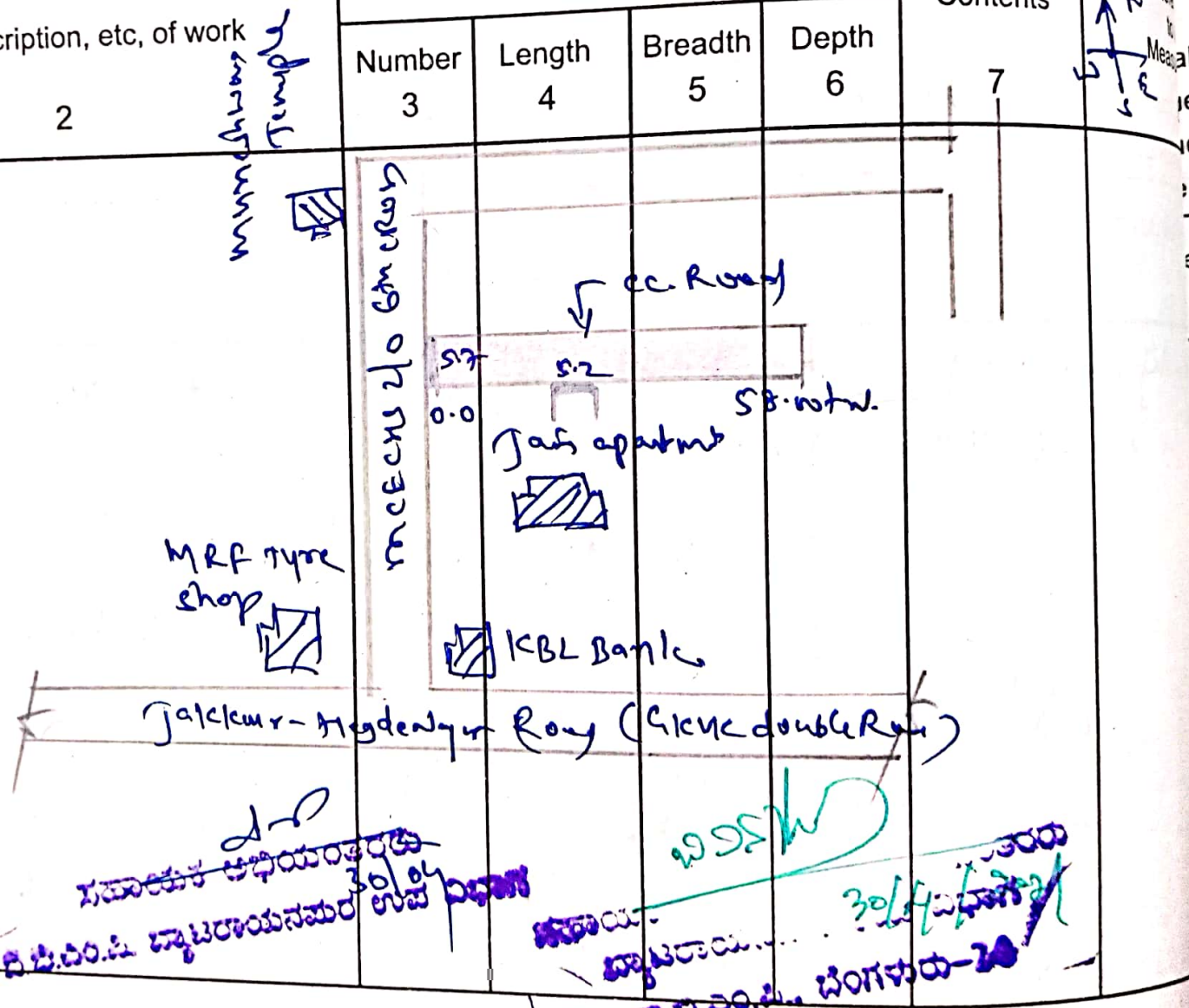
ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಜ್ಯಾಬರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಜ್ಯಾಬರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ.

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Ref. to Measl No. .....
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	



Scanned by CamScanner